

STRUCTURE G-200A

This structure is a three unit pumping station at the northwest corner of the Holey Land. The station is located at the east side of L-23 levee, about 7 miles north of pumping station S-8. The contract number of this structure is 88-173-0940. The drawing number is PB 30.

PURPOSE

G-200A is a part of the Holey Land Flow Through Marsh project. The purpose of this structure is to pump surplus water in the Miami canal (L-23, L-24 and L-25 canals) into the Holey Land marsh area.

OPERATION

The structure is operated based on an agreement (C-90-1057) between the District and the Florida Game and Fresh Water Fish Commission. The pump station will pump water from the Miami canal to maintain the stage in the Holey Land as close as possible to the schedule presented in Figure 1, subject to the availability of water. For operational decisions, the average stage in the Holey Land is defined as the water level in the interior pond at station G-203. In the event of data acquisition problems at G-203, the average stage will be determined by averaging the available readings from gauges at G-200A, G-201, G-204, G-205, G-206, or by estimating the level based on the best available information.

The station will supply water to the Holey Land from Lake Okeechobee when the average stage in the Holey Land is below 10.5 feet MSL and the water level in the lake is above the water shortage WATCH line specified in the District's Lake Okeechobee Water Supply Management Plan. When the lake level is below the WATCH line all water deliveries to the Holey Land will be considered on a case-by-case basis. This operation is to minimize muck fires.

If the water level in the Holey Land is below schedule, regulatory releases from Lake Okeechobee can be pumped into the Holey Land.

DISCHARGE CHARACTERISTICS

Design Discharge Rate	<u>750</u> cfs
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DESCRIPTION OF STRUCTURE

Number of Pumps	<u>3</u>
Size and Type of Pumps	<u>60 inch hydraulically driven axial flow</u>
Design Rating	<u>250 cfs</u>
Speed	<u>300 r.p.m.</u>
Pump Manufacturer	<u>M & W Pump Corp.</u>
Model Number	<u>HAC360P05</u>

POWER SOURCE

Prime Movers	<u>Commercial electricity</u>
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STATION POWER

Normal	<u>Commercial electricity</u>
Emergency	<u>None</u>

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Staff gauges in Miami canal and distribution canal

Telemetry system

ACCESS: From S-8 pumping station go north about 7 miles along the east side of L-23 levee.